

N91-14955

# SURVEY OBSERVATIONS OF EMISSION-LINE STARS IN THE ORION REGION

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We have conducted survey observations for H $\alpha$ -emission stars in the Orion region using the Kiso Schmidt telescope and partly the CTIO Curtis Schmidt telescope. In the area of about 25 square degrees, centered at R.A. = 5<sup>h</sup>40<sup>m</sup> and Dec. = 0<sup>o</sup>.0, a total of 236 H $\alpha$ -emission objects, mostly supposed to be T Tau type stars, have been detected among which 155 are new ones including 6 non-stellar objects.

Celestial coordinates and V-magnitude are measured for the detected objects. Eye estimation of the H $\alpha$ -emission intensity is also made at three epochs in a time span of about two years, where we found notable variation of H $\alpha$  intensity in 68 out of 236 objects.

Besides a remarkable concentration along the northern dark cloud complex, a loose concentration is noticed near the Orion Belt region, fairly well coinciding with the distribution of the Orion OB1b association members. A comparison with the A<sub>v</sub>-map is also made to see the relationship between the distribution of emission-line objects and that of interstellar dust.